

K.

Freeport
J.C.

Freeport Note

July 5th

Reached Freeport at 5 PM.
Went down the RR. track
along the Peconic River
(which was up stream on
the South side).
Found fine layers of
underlying limestone
fossils. Found some
shells.
Saw excavations for gas-pipe
near William's house
which exposed the lower clay
just above (see note)
stays at Freeport
depot.

July 6.

Freeport lies on part on
an alluvial plain but little

above the Peconica
river.

On the N. side of the
river (on which the C. M. &
St. Paul RR. depot is located)
this is wholly true.

On the south side is
the main city. This is
in part on the plain &
in part on hills which
rise gradually toward the
south. The topography
is not abrupt, but rather
like our prairies.

Went eastward along the
Ill. Central RR. over a
mile.

In a long cut found
first rock, then fine
clayey sand & finally
Loess-like clay without fossils.

The latter was about 6-
10 ft thick.

Came up town & at
intersection of Adams &
Carroll streets found
excavation going on for
paving.

Nothing but Loess? was
exposed (6 ft deep) & this
was filled with roots. - but
no shells.

The natural surface here
is about 45 ft above
the alluvial plain on
which the C.M. & St. P.
Cent. RR's are built.

Conversed with the Supt
of the water company. He
mentioned Mr. Berkey as
a resident of Freeport.
He said the clay was

from 4 to 30 ft. thick
 & often rested on the
 rock, - there being
 some pockets of sand.
 He had ~~seen~~ little shells
 but could say nothing
 about them.

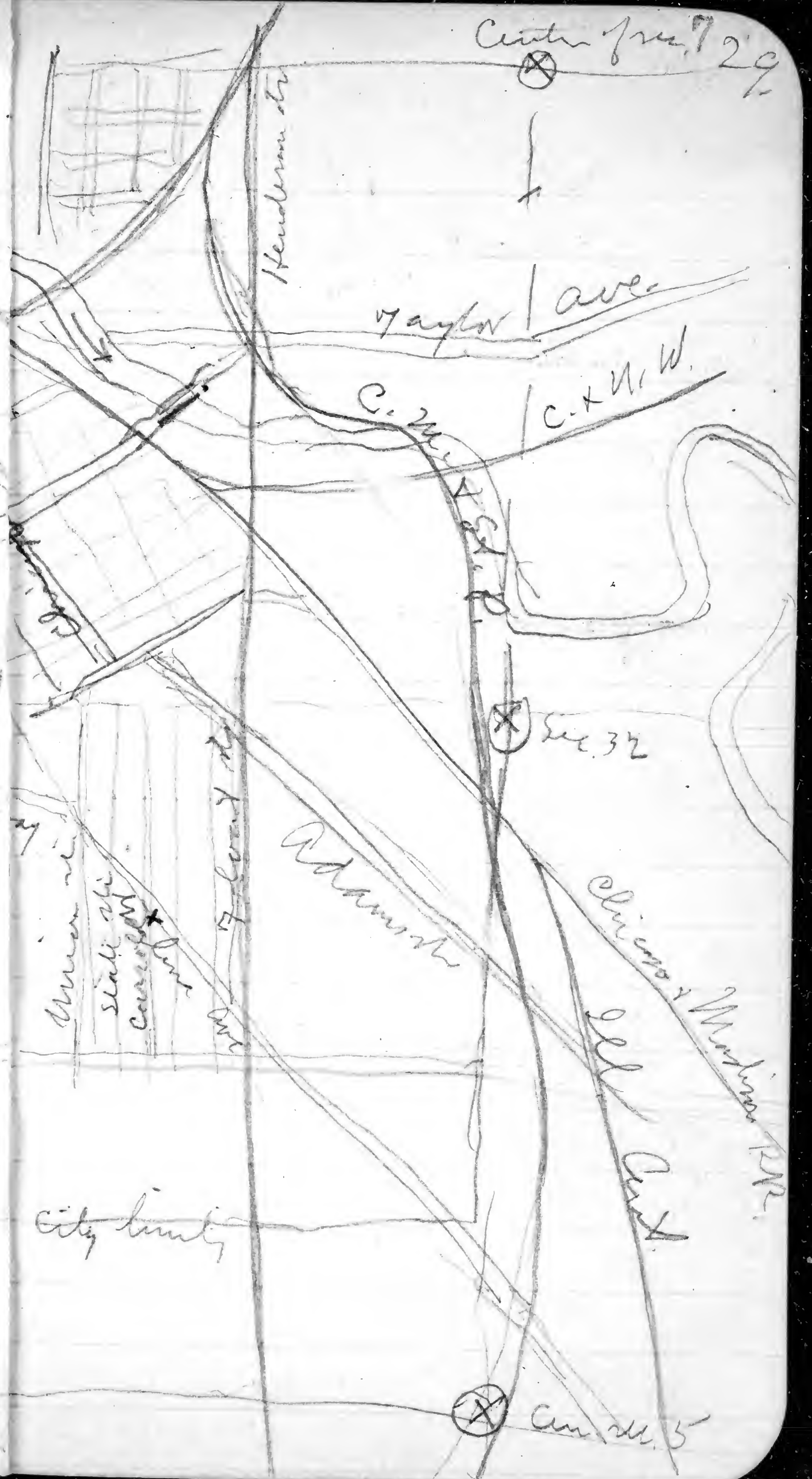
He said the place where
 the standpipe was
 located (just out of town)
 was the highest.

The lower parts of town
 are on a level with
 the RR. plain & if it
 is here that Hershey
 found his fossils, the
 find don't amount to
 much.

Nowhere did I see the
 abrupt topography of
 the ordinary loess.

Stand pipe reading = 105 ft.

A cut along Ill. Cent
 RR. shows 5-6 feet
 of loess clay - a layer
 below more sandy &
 below that still more
 sand & finely horizontally
 laminated.
 See three samples.



Owen J. Smith
Super Water Co.
Burlington, Ill.

10

11

12

13.

Modern shellsNatchez, Miss.

<i>Stenotrema stenotremum</i>	8
" <i>monodon leai</i> - 30+1+12	
<i>Tridopsis inflecta</i> 5+5 - Vicksburg!	
" <i>obstructa</i> 9 - juv.	
<i>Polygyra</i> texanensis <i>perfoliata</i>	2
<i>Macrocyclus concava</i>	1
✓ <i>Helicina orbiculata</i>	3 + 36.
<i>Merodina</i> v. <i>luculentata</i>	9 + 10 + 3 ^{Vicksburg}
" <i>exoleta</i>	1
<i>Purpa curvidens</i>	3
" <i>fallax</i>	1
<i>Succinea ovata</i>	1
" <i>groveneri</i>	many ⁵
<i>Zonites indentatus</i>	1 + 6
" <i>viridulus</i>	1
" <i>minusculus</i>	5
" <i>ligens</i> - many.	
" <i>laevigatus</i> - 5.	
<i>Vertigo tridentata</i>	✓

Zonites ligens - S. bluff.

" " " "	3
" ^{gularis} suppressus - S. "	none.
" " " "	16
" " " "	109

36

37

38

39

(Vicksburg also included)
Natchez, Miss. Fossils.

<i>Mesodon elevata</i> (Say) Brum.	1.
" "	2.
" "	3
" "	4
" "	5
" "	6.
" "	7
" "	8
" "	9
" "	15
" "	16
" "	17
" "	18
" "	20
" "	21
" "	22
" "	23
" "	24
" "	28

Great gulch.	145
Cut 5	95.
Last cut Canal str. road.	21
2 days' mixed collection.	51.
Cut 1 - E. end. - (dig.)	13.
" " - W. & S. (dig.)	32
" 3 - E. side.	42
" 6 - (dig.)	16
Liberty Road - cut 1 -	1
Crescent flat.	1
Prospect Hill (dig.)	1
Canal str. road - cut. 1 -	3
" " " " 3	1
Jefferson str. between Canal & Wall str. ^{cut 150}	1
End Main str. (dig.)	3
Cut no. 3. - In upper lime layer.	9
Cut near top of hill beyond National Cem.	2
Road to bottoms from National Cemetery.	1
Cut. 4.	38

12
Merodon exolita (Binn.) Dy.

1.

" "

2

" "

3

" "

4

" "

5

" "

6

" "

7

" "

8

" "

9

" "

10

" "

11

" "

12

" "

14

" "

17

" "

18

" "

21

" "

22

" "

23

" "

24

" "

25

" "

28

" "

X

43
great gulch.

5-8.

Cut 5.

56

Last cut Canal str. road.

5

1st day - miscell.

18

Cut. 1 - E. end. (dig.)

9

" " - W. & S. "

4

Cut 3 - E. side

8

" 6 - dig.

6

" 1 - Liberty Road.

2

next to last cut, Canal str. road.

1

Cut 3 - Liberty Road.

1

" 6 - " "

1

" 2 " "

1

Canal str. road. cut 1 -

1

" " " " 3 -

1

End Main str. -

6

Cut no. 3 - In upper lime nodule layer.

2

Cut near top of hill beyond Nat. Cem.

2

Road to bottoms from Nat. Cem.

1

" from Nat. Cem. to City (see notes June)

1

Cut 4.

11

Vicksburg, Miss.

204 9

<i>Mesodon albolabris</i> (Say) Morse	1
" "	2
" "	4
" "	5
" "	6
" "	7
" "	8
" "	14
" "	20
" "	22
" "	28
" "	x

<i>Mesodon thyroides</i> var. <i>bucculenta</i> (see)	1
" " "	4
" " "	5
" " "	x

Great gulch.	12
Cut 5,	8
1 st day. in all.	5
Cut 1 - E. end. (dig.)	5
" " - W. & S. (")	2
" 3 - E. side.	3
" 6 - (dig.)	1
" 2 - Liberty road.	1
Jefferson st. between Canal & Wall st. ^{cut 150}	1
Cut 3 - On upper line layer -	1
Cut 4 -	2
Vicksburg -	1
	<hr/> 42

Great gulch.	4
1 st day -	1
Cut 1 - E. end -	2
Vicksburg -	4

Mesodon profunda (Say.) Binn.	1
" "	2
" "	3
" "	4
" "	5
" "	6
" "	7
" "	8
" "	9
" "	15
" "	16
" "	17
" "	21
" "	22
" "	23
" "	26
" "	28
" "	X

Great gulch.	70
Cut 5.	32
Last cut Canal str. road.	2
1 st day.	6
Cut 1 - E. end. (dig.)	3
" " - W. & S. (")	5
" 3 - E. side.	7
" 6.	2
" 1 - Liberty Road.	2
Crescent flat (June 2) (dig.)	1
Prospect Hill - " " "	2
Canal str. road - cut 1.	4
End main str. - (dis.)	1
Cut 3 - Upper lime layer.	2
Cut new top of hill. beyond Nat. Cem.	1
Edge of bluff near Yazoo & Miss. V. R.R. dept.	1
Cut 4.	16
Vicksburg.	17

174

Patula alternata (Say) ^{4 costate var.} Binn. 1

"	"	2
"	"	3
"	"	4
"	"	5
"	"	6
"	"	7
"	"	8
"	"	9
"	"	14
"	"	16
"	"	17
"	"	20
"	"	21
"	"	22
"	"	23
"	"	24
"	"	28
"	"	x

Great gulch.

Cut 5.

Last cut - Canal str. road.

1st day.

Cut 1 - E. end.

" 1 - W. & S. (dig.)

" 3 - E. side.

Cut 6.

Cut 1 - Liberty Road.

" 2 - " "

Prospect Hill (June 2) (dig.)

Canal str. road. cut 1.

Jefferson str. cut 15⁰.

End Main str. - (dig.)

In upper lime layer. cut 3.

Cut near top of hill beyond Nat. Cem.

Road to bottom from Nat. Cem.

Cut 4.

Wickburg.

Mostly intermediate. 28

8 Costate var.

18 Typical.

30

3

6

19

11

11

25

5

1

4

1

4

1

1

5

1

1

17

28

259

22

181

Patula perspectiva (Say) Binn.

		1
"	"	2
"	"	3
"	"	4
"	"	5
"	"	6
"	"	7
"	"	8
"	"	9
"	"	16
"	"	17
"	"	18
"	"	19
"	"	23
"	"	28
"	"	x.

Great gulch.

103

Cut 5.

4

Last cut Canal str. road.

2

1st day.

16

Cut 1 - E. end. (dig.)

12

" " W. & S. "

25

" 3 E. side.

22

Cut 6.

1

Cut 1 - Liberty road.

2

Prospect Hill (June 2) (dig.)

2

Cut 1 - Canal str. road.

1

" 3 - " " "

2

" 2 - " " "

1

Cut near top of hill beyond Nat. Cem.

1

Cut 4.

14

Vicksburg.

6

214

<i>Triodopsis obstructa</i> (Say) Binn.	1
" "	2
" "	3
" "	4
" "	5
" "	7
" "	8
" "	9
" "	15
" "	16
" "	17
" "	22
" "	28
" "	x

Triodopsis palliata (Say) Binn. x

Triodopsis fallax (Say) Fry. x

Great gulch. 42

Cut 5. 17

Canal str. road. 1

6.

4

1

7

1

1

1

1

3

10

1

106

11

Vicksburg. 13

Cut no. 3,

On side nearest
to River &

above the

lime nodules

layers.
(mostly dipping.) (64)

That is, above the
stratum with larger
pieces.

There is a smaller
layer of more
upright nodules
above, & the
nodule with Iris
impression comes from
this upper layer.

Boxer number 20.22

Cut no. 4

and backwash
extension of

same.

28.

Jefferson str.
between Canal &
Wall str.
cut 15° high S. side.

city.
N.Y.
cut
No. 23
Last cut on
Cemetery Road just
before coming out
on bluff

BLOOM & MAYER

gra
holt

24.

cut to left beyond
National Cemetery on
left road which leads
under bluff.

<i>Triodopsis obstructa</i> (Say) Binn.	1
" "	2
" "	3
" "	4
" "	5
" "	7
" "	8
" "	9
" "	15
" "	16
" "	17
" "	22
" "	28
" "	x

Triodopsis palliata (Say) Binn. x

Triodopsis fallax (Say) Fry. x

Great gulch.	42
Cut 5.	17
Last cut Canal str. road.	1
1 st day.	6
Cut 1 - E. end. (dig.)	4
Cut 3 - E. side.	1
Cut 6 - (dig.)	7
Cut 1 - Liberty road.	1
Crescent flat - June 2.	1
Prospect Hill - " (dig.)	1
Canal str. road - cut. 1.	1
Cut 3 - Upper lime layer.	3
Cut 4.	10
Vicksburg.	1
	<hr/> 106

Vicksburg 11

Vicksburg. 13

<i>Triodopsis inflecta</i> (Say) Binn.	1.
" "	2.
" "	3.
" "	4.
" "	5.
" "	6.
" "	7.
" "	8.
" "	9.
" "	11
" "	15
" "	16
" "	17
" "	19
" "	21
" "	22
" "	23
" "	28
" "	x

Great gulch.	313
Cut 5.	26
Last cut - Canal str. road.	7
1 st day.	40
Cut 1 - E. end (dig.)	39
" 1 - W. & S. "	32
" 3 - E. side.	36
Cut 6.	2
Cut 1 - Liberty road.	1
" 3 " "	1
Crescent flat - June 2.	4
Prospect Hill " "	2
Cut 1 - Canal str. road.	3
" 2 - " " "	2
End Main str. (dig.)	4
Cut 3 - Upper module layer.	2
Cut near top of hill beyond Nat. Cem.	2
Cut 4.	40
Vicksburg.	10
	<hr/> 566

<i>Stenotrema stenotremum</i> (Fér.) Fry.	1.
" "	2
" "	3
" "	4
" "	5
" "	6
" "	7
" "	9
" "	11
" "	13
" "	14
" "	19.
" "	21.
" "	23
" "	28 23
" "	X.

Stenotrema hirsutum (Say) Fry. (?) X

(see next page.)

great gulch.	87.
Cut 5.	3
Last cut - Canal str. road.	2
1 st day.	12
Cut - 1 - E. side. (dig.)	15
" 1 - W. & S. - "	6
" 3 - E. side.	4
" 1 - Liberty Road.	2
" 3 - " "	4
" 4 - " "	1
" 2 - " "	1
" 2 - Canal str. road.	1
End Main str. (dig.)	2
Cut near top of hill beyond Nat. Cem.	1
Cut 4.	11
Vicksburg.	4
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Vicksburg 2

(see preceding page.)

<i>Stenotrema hirsutum</i> (Say) Fry.	1.
" "	2
" "	3
" "	4
" "	5
" "	6
" "	7
" "	9
" "	10
" "	11
" "	16
" "	17
" "	18
" "	19
" "	21
" "	23
" "	24
" "	28
" "	X

Great gulch.	263
Cut 5.	6
Last cut Canal str. road.	3
1 st day.	18
Cut 1 - E. end. (dig.)	22
" 1 - W. & S. - "	7
" 3 - E. side.	9
" 1 - Liberty road.	2
Next to last cut - Canal str. road.	1.
Cut 3 - Liberty road.	2.
Prospect Hill - June 2 - (dig.)	1
Canal str. road cut 1 -	5
" " " " 3.	2
" " " " 2	1
End Main str. (dig.)	4
Cut near top of hill beyond National Cem.	3
Road from Nat. Cem. to bottoms.	2
Cut 4.	15
Vicksburg (see preceding page.)	21

<i>Stenotrema monodon</i> (Rack.) Morse.	1
" "	2
" "	3
" "	4
" "	5
" "	6
" "	7
" "	16
" "	17
" "	18
" "	20
" "	24
" "	28
" "	X

Great gulch.	41
Cut 5.	7
Last cut. Canal str. road.	1
1 st day.	6
Cut 1 - E. end. (Dig.)	4
" 1 - W. & S. "	7
" 3 - E. side.	10
Prospect Hill June 2.	1
Canal str. road , cut 1.	1
" " " " 3.	1
Jefferson str. at 15°	1
Road to bottoms from Nat. Cem.	2
Cut 4.	3
Vicksburg.	7

<i>Macrocyclis concava</i> (Say) Morse.	1
" "	2
" "	3
" "	4
" "	5
" "	6
" "	7
" "	8
" "	9
" "	10
" "	11
" "	14
" "	16
" "	17
" "	19
" "	20
" "	22
" "	23
" "	24
" "	27
" "	28
" "	x

Great gulch.	114
Cut 5.	28
Last cut Canal str. road.	12
1 st day.	25
Cut 1 - E. end. (dig.)	24
" 1 - W. & S. "	17
" 3 - E. side.	28
Cut 6.	1
Cut 1 - Liberty Road.	1
Next to last cut Canal str. road	3
Liberty road - cut 8.	2
" " " 2.	1
Prospect Hill June 2 -	5
Canal str. road. cut 1	4
" " " " 2	1
Jefferson str. 15 th cut.	2
Cut 3 - upper lime layers.	4
Road near top of hill beyond Nat. Cem.	3
" to bottoms from Nat. Cem.	2
From laminated layers (red) in cut 1.	1
Cut 4.	18
Vicksburg.	21

<i>Zonites capnodes</i> (Binn.) Binn.	1
" "	2
" "	3
" "	4
" "	5
" "	6
" "	7
" "	8
" "	9
" "	20
" "	21
" "	22
" "	23
" "	28

Great gulch.	28.
Cut 5	16
Last cut - Canal str. road.	5
1 st day.	6.
Cut 1 - E. end. (dig.)	3.
" 1 - W. + S. "	4.
Cut 3 - E. side.	3
Cut 6.	1
Cut 1 - Liberty road.	1
Jefferson str. - between Canal Wall str. ^{cut 150}	2.
W. End Main str.	1.
Cut 3 - upper nodule - layer.	2.
Cut near top of hill beyond Nat. Cem.	1
Cut 4.	5
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see if *Z. suppressus* is in the lot.

<i>Zonites ligens</i> (Say) Bin.	1
" "	2
" "	3
" "	4
" "	5
" "	6
" "	7
" "	8
" "	9
" "	15
" "	16
" "	17
" "	18
" "	21
" "	22
" "	23
" "	24
" "	28
" "	X

Great gulch.	123
Cut. 5.	16
Last cut Canal str. road.	13
1 st day.	17
Cut 1 - E. end - (dig.)	20
" 1 - N. & S. (")	7
" 3 - E. side.	12
" 6.	2
" 1 - Liberty road.	1
Crescent flat - June 2 -	1
Prospect Hill " " (dig.)	1
Cut 1 - Canal str. road.	2
" 3 - " " "	2
End main str.	1
Cut 3 - upper lime layer.	1
Near top of hill beyond Nat. Cem.	1
Road to bottoms from " " "	1
Cut 4.	14
Vicksburg.	6.

Zonites indentatus (Say) Binn.

1- Great Gulch.	2
4- 1 st day -	1.
5- Cut 1- E. end. (dig.)	14.
9- Cut 1- Liberty Road.	2
18- Cut 3- Canal str. road.	1
x- Vicksburg, Miss.	3.
y- Loose material in Great Gulch.	22

Zonites multidentatus (Binn.) Binn.

1 Great Gulch.	35
5- Cut 1- E. end (dig.)	1
7- " 3- E. side.	1
x- Vicksburg -	1.

Zonites placintulus

1- Great Gulch.	3
2- Last cut Canal str.	1
4- 1 st day	3
6- Cut 1- W. & S.	2

Zonites fulvus

* Great Gulch	7
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Zonites minusculus

Great Gulch	300
5- Cut 1- E. end (dig)	1
16- Cut 1- N. & S. (dig.)	3

Zonites viridulus

Great Gulch.	11
4- 1 st day -	1
5- Cut 1- E. end. (dig.)	2
7- Cut 3- E. side.	1

Zonites arboreus

1- Great gulch -	14.
2- Last cut Canal str. road -	1
5- Cut 1- E. end - (dig) -	2
6- " 1- W. & S. - (dig) -	2
7- " 3- E. side -	1
x- Vicksburg -	1.

70

71

Vertigo tridentata

2

1- Great gulch - (not by dig.)

2

Pupa fallax

1- Great gulch (not by dig.)

1

Pupa armifera

1- Great gulch.

1

Pupa contracta

1- Great gulch -

25

Pupa corticaria

Great gulch -

16.

Pupa curvidens

1. Great gulch.

3

5. Cut. 1 E. end. (dig.)

2

Pupa simplex

1. Great gulch (hole)

1

4. 1st day -

5.

Ferussacia subcylindrica

1- Great gulch -	6.
3- Last cut Canal str. road	2
5- Cut 1- E. end. (dig.)	2
6- " " W. & S. (dig.)	2
9- " 1 Liberty road.	1
x- Vicksburg -	1

Eggs. (large)

1- Great gulch -	3
5- Cut 1- E. end. - (dig.)	1

Eggs. (small)

1- Great gulch -	3
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Helicodiscus lineatus

1- Great gulch	23
5- Cut 1- E. end. Dig.	2
x- Vicksburg	1

Punctum pygmaeum

Great gulch.	124
4- 1 st day -	1

Succinea obliqua Say.

1- Great gulch.	12
2- Cut 5.	4
3- Last cut Canal str. road.	3
4- 1 st day	5
5- Cut 1- E. end (dig.)	3
6- " 1- W. & S. (dig.)	3
7- " 3- E. side.	2
11- Cut 3. Liberty road.	2
20- Jefferson str.	1
28- Cut 4.	1

36

Succinea avara

6- Cut 1, W. & S. (dig.)	1
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Strobila labyrinthica

Great gulch	1
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Helicina orbiculata Say.

1	Great gulch. - without operculum ²⁰⁶ with op. ⁶	212
2.	Cut 5.	17
3.	Last cut Canal str. road.	3
4.	1 st lay.	29
5.	Cut 1 - E. end. (dig.)	19
6.	" 1 - W. & S. (")	49
7.	" 3 - E. side. operculum ⁸ , non-op. ⁶⁹	77
8.	" 6.	3
15.	Crescent flat. June 2.	2
22	Cut 3 - upper lime layer.	3
28.	Cut. 4. 2 op. 30 non-op.	32
x.	Vicksburg.	7

Carychium exile
Great Gulch.

